



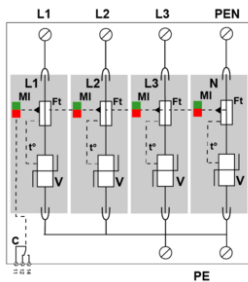
## Type 2 AC surge protector - Re-reinforced - pluggable

# CITEL

## DAC80S-40-440



- Re-reinforced Type 2 AC surge protector
- In: 40 kA
- I<sub>max</sub>: 80 kA
- Pluggable module for each phase
- Remote signaling
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.5 compliance



V: High-energy varistor  
 Ft: Thermal fuse  
 C: Remote signal contact  
 t\*: Thermal disconnection system  
 MI: Disconnection indicator

### Electrical Characteristics

SPD type	2
Network	230/400 V 3-phase+N
AC system	IT
Max. AC operating voltage	U <sub>c</sub> 440 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT 580 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT 770 Vac disconnection
Residual Current Leakage current to Ground	I <sub>pe</sub> < 1 mA
Follow current	I <sub>f</sub> None
Nominal discharge current 15 x 8/20 μs impulses	I <sub>n</sub> 40 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub> 80 kA
Protection mode(s)	L/PE and N/PE
Protection level N/PE @ I <sub>n</sub> (8/20 μs)	U <sub>p</sub> N/PE 2 kV
Protection level L/PE @ I <sub>n</sub> (8/20 μs)	U <sub>p</sub> L/PE 2 kV
Admissible short-circuit current	I <sub>sc</sub> 50 000 A

### Mechanical Characteristics

Technology	MOV
Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> rigid)
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	T <sub>u</sub> -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	1 mechanical indicator by pole - Red/Green
Spare module(s)	MDAC80-440
Remote signaling of disconnection	Output on changeover contact
Max. Voltage/Current for remote signaling	250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions	See diagram - 4TE (EN43880)
Weight	0.506 kg

### Disconnectors

Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	Fuses Type gG - 125 A

### Standards

Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	KEMA

### Part number

**821210424**

